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GenCore version 5.1.6

CM protein - protein search, using sw model

Run on: April 12, 2004, 10:18:37 ; search time 21 seconds (without alignments) 1543.645 Million cell updates/sec

Scoring table: BLOSSM52

Gapext 10.0 , Gapext 0.5

Searched: 283365 seqs, 96191526 residues

Total number of hits satisfying chosen parameters: 283365

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

PIR:78;*

1: pir1;*

2: pir2;*

3: pir3;*

4: pir4;*

pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES					
Result No.	Score	Query Length	DB ID	Description	
1	1376	80.8	341	2 157997	hypothetical calcium-binding protein - mouse
2	1063.5	62.4	377	2 T16651	C;Species: Mus sp. (mouse)
3	1005.5	59.1	338	2 T27129	C;Date: 02-Aug-1996 #sequence_revision 02-Aug-1996 #text_change 19-May-2000
4	839.5	49.0	329	2 T50117	C;Accession: 157997
5	685	40.2	305	2 G11441	R;Miyanoto, H.; Matsuhiro, A.; Nozaki, M.
6	632	37.1	348	2 B8448	Mol. Reprod. Dev. 34, 1-7, 1993
7	495	28.5	399	2 S34681	A;Title: Molecular cloning of a novel mRNA sequence expressed in cleavage stage mouse
8	134.5	8.4	339	2 T33477	A;Reference number: 157997; MUID:3119656; PMID:8418809
9	128	7.5	430	2 H64574	A;Status: preliminary; translated from GB/EMBL/DBJ
10	125.5	7.4	298	2 H64709	A;Molecule type: mRNA
11	125.5	7.4	81685	2 T08880	A;Residues: 1-341 <R3>
12	123.5	7.2	1285	2 B37420	A;Cross-references: GB:S51858; NID:9262933; PID:ANAS24801_1; PID:9262934
13	1175	7.0	1175	2 F64489	C;Keywords: calcium-binding
14	108.5	7.0	959	2 T00246	C;Species: Mus sp. (mouse)
15	115	6.7	474	2 S71322	C;Accession: 157997
16	113.5	6.7	833	2 T43446	R;Miyanoto, H.; Matsuhiro, A.; Nozaki, M.
17	109.5	6.4	2 955123	Mol. Reprod. Dev. 34, 1-7, 1993	
18	102.5	6.6	1411	2 T07387	A;Title: Molecular cloning of a novel mRNA sequence expressed in cleavage stage mouse
19	111.5	6.5	2 1725	1 JG5016	A;Reference number: 157997; MUID:3119656; PMID:8418809
20	111.5	6.5	2401	2 T28676	A;Status: preliminary; translated from GB/EMBL/DBJ
21	111	6.5	2166	2 G70163	A;Molecule type: mRNA
22	111	6.5	2819	2 A05551	A;Cross-references: GB:S51858; NID:9262933; PID:ANAS24801_1; PID:9262934
23	109.5	6.4	457	2 G82911	C;Keywords: calcium-binding
24	109.5	6.4	978	2 A70387	C;Species: Mus sp. (mouse)
25	108.5	6.4	2 822909	C;Accession: 157997	
26	109	6.4	1830	2 T07283	R;Miyanoto, H.; Matsuhiro, A.; Nozaki, M.
27	109	6.4	1401	2 S11527	A;Title: Molecular cloning of a novel mRNA sequence expressed in cleavage stage mouse
28	108.5	6.4	442	2 T18507	A;Reference number: 157997; MUID:3119656; PMID:8418809
29	108.5	6.4	952	2 T50451	A;Status: preliminary; translated from GB/EMBL/DBJ

RESULT 1

157997

hypothetical calcium-binding protein - mouse

C;Species: Mus sp. (mouse)

C;Date: 02-Aug-1996 #sequence_revision 02-Aug-1996 #text_change 19-May-2000

C;Accession: 157997

Mol. Reprod. Dev. 34, 1-7, 1993

A;Title: Molecular cloning of a novel mRNA sequence expressed in cleavage stage mouse

A;Reference number: 157997; MUID:3119656; PMID:8418809

A;Status: preliminary; translated from GB/EMBL/DBJ

A;Molecule type: mRNA

A;Residues: 1-341 <R3>

A;Cross-references: GB:S51858; NID:9262933; PID:ANAS24801_1; PID:9262934

C;Keywords: calcium binding

Query Match 80.8%; Score 1376; DB 2; Length 341; Best Local Similarity 80.8%; Pred. No. 7; 90-85; Matches 272; Conservative 32; Mismatches 29; Indels 4; Gaps 2; Description

QY 4 MPL-PSKSHPKNPAETKILKQNLALKEQ---DKKDKASEEVSKSLQAMKETLGNEK 59

Db 1 MPPFPGKSHPKSPADTIVNLKESMATEVVKDQDSDKKAERATEEVSKNLYAKMILYGNEK 60

QY 60 EPPTPAAVQLOQBLISGGLVLTIAQDQDIFEGSKDVTQIFNMLILRQIGRSPTVETI 119

Db 61 EPPTPAAVQLOQBLISGGLVLTIAQDQDIFEGSKDVTQIFNMLILRQIGRSPTVETI 120

QY 120 SAHPHILPMLKQYEAPOIALRCGMLRECRIRHPLAKITLFSNQFRDFFKYLSTFDI 179

Db 121 CTOQNQILFMLKQYEPPEIANGIMLRECRIRHPLAKILWSEQFDFFYVEMSPFDI 180

QY 180 ASDAPATPKDQDITRKHVTLADPFLRQYDTFEDYKLLQSENQYTKRQSKLIGELIDR 239

Db 181 ASDAPATPKDQDITRKHVTLADPFLRQYDTFEDYKLLQSENQYTKRQSKLIGELIDR 240

QY 240 HNFAIMTYKISPPENKLMLRQSPNQFEPFHVRKVFVSPHKQOPTVETIANGQP 299

Db 241 HNFTIMTYKISPPENKLMLRQSPNQFEPFHVRKVFVSPHKQOPTVETIANGQP 300

RESULT 2

T1651

hypothetical protein R02E12.2 - Caenorhabditis elegans

C;Species: Caenorhabditis elegans

C;Date: 10-Sep-1999 #sequence_revision 20-Sep-1999 #text_change 18-Feb-2000